

CLAIMS:

1. A picture display device comprising a display tube having an evacuated envelope (1), which envelope comprises, arranged along a longitudinal axis (20), a display panel (2) having a short axis and a long axis, provided with a display screen (3) on its inner side, a conical portion (4) and a neck portion (5), the conical portion (4) being connected to an upstanding wall (15) of the display panel (2), characterized in that the cross section of the conical portion in a plane through the longitudinal axis and the short axis of the panel comprises a first area (41) of the conical portion (4) adjacent to the upstanding wall (15) of the display panel (2) which transverses into a second area (42) of the conical portion adjacent to the position where its parabolic curvature ends (end of round), the Z and Y coordinates of outer contour in said plane being defined such at

$$0.5L = Z$$

$$0.88H < Y < H$$

- wherein H is the seal edge position on the short axis (in mm), and L is the depth (in mm) of the conical portion along the longitudinal axis from the seal edge towards the end of round position.

2. A picture display device as claimed in claim 1, wherein at

$$0.5L = Z$$

- 20 $0.9H < Y < H$

3. A picture display device as claimed in claim 2, wherein at

$$0.5L = Z$$

$$0.95H < Y < H$$

- 25 4. A picture display device as claimed in claim 1, in which the MR1 radius, as herein defined, is defined by the formula:

$$8500 \text{ mm} \leq \text{MR1} \leq 11000 \text{ mm}$$

5. A picture display device as claimed in any of the preceding claims, wherein the first and second area transverse in each other in said plane at a transition point (P) wherein

5 $0.5L \leq P \leq 0.8L.$

6. A picture display device as claimed in any of the preceding claims, in which the maximum deflection angle is at least 115 degrees.

10 7. A picture display device as claimed in any of the preceding claims, in which the display panel has an aspect ration of 16:9.

8. A picture display device as claimed in any of the preceding claims, in which the display panel is of the Real Flat type.